



PATENT

ATTORNEY DOCKET NO.: 051252-5214

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner of Patents

**BOX PATENT APPLICATION**

U.S. Patent and Trademark Office

2011 South Clark Place

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Crystal Plaza Two, Lobby, Room 1B03

Arlington, VA 22202



**TRANSMITTAL FOR A NEW AND ORIGINAL APPLICATION  
UNDER 37 C.F.R. §1.53(b)**

This is a request for filing a patent application under 37 C.F.R. §1.53(b) for:

Inventor: **J. Michael JOSEPH**

For: **FUEL INJECTOR INCLUDING A COMPOUND ANGLE ORIFICE  
DISC**

1. This is a new ☒ **Utility** ☐ **Design** ☐ **Plant** patent application.
2. The papers enclosed to obtain a filing date are as follows:

20      Pages of Specification including

0      Title Page

5      Pages of Claims

1      Page of Abstract

5      Sheets of drawings containing 13 Figures

☐ The enclosed drawings are photographs, and there is also attached a  
PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)

3. Combined Declaration and Power of Attorney



Enclosed and is executed by the inventor

**Not Enclosed.**

**This application is being filed under the provisions of 37 C.F.R.  
§1.53(f). Applicant(s) await notification from the Patent and  
Trademark Office of the time set for filing the Declaration and paying  
fees.**

## 4. Language

- ☒ English  
☐ Non-English

This application is being filed in accordance with 37 C.F.R. §1.52(d) and §608.01 of the MPEP. Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the verified English translation and the processing fee.

## 5. Assignment

- ☐ An assignment of the invention to Siemens VDO Automotive Corporation and a PTO Form-1595, Recordation Form Cover Sheet, are enclosed.  
☒ An assignment will be filed at a later date.

## 6. Priority - foreign applications under 35 U.S.C. §119(a)-(d) or §365(b) or PCT international applications under 35 U.S.C. §365(a) designating at least one country other than the U.S.

☐ Priority of the following foreign application is claimed:

| Country | Application No. | Filed |
|---------|-----------------|-------|
|         |                 |       |
|         |                 |       |

Certified copy: ☐ is attached. ☐ will follow.

## 7. Priority based on provisional application(s) - 35 U.S.C. §119(e)

☐ Priority of the following provisional application(s) is claimed:

| Application No. | Filed |
|-----------------|-------|
|                 |       |
|                 |       |

## A. Relate Back - 35 U.S.C. §119(e)

- ☐ Amend the specification by inserting before the first line the sentence:  
 "This application claims priority of copending provisional application(s)  
 No. \_\_\_\_\_ filed on \_\_\_\_\_."

## 8. Small entity status

- ☐ Applicant(s) hereby assert(s) small entity status under 37 C.F.R. § 1.27.

9. Fee Calculation (37 C.F.R. §1.16)

|  | Number Filed | Number Extra | at Rate of | Basic Fee<br>Utility \$750.00<br>Design \$340.00 |
|--|--------------|--------------|------------|--|
|  |              |              | BASIC FEE  | \$750.00   |
| Total Claims<br>(37 C.F.R. §1.16(c))                     | 27 - 20 =    | 7            | 18.00      | \$126.00   |
| Independent Claims<br>(37 C.F.R. §1.16(b))               | 3 - 3 =      | 0            | 84.00      |  |
| Multiple dependent claim(s), if any (37 C.F.R. §1.16(d)) |              |              | 280.00     | \$0.00   |
| SUB-TOTAL =  |              |              |            | \$876.00   |
| Reduction by 1/2 for filing by a small entity            |              |              |            |  |
| TOTAL FILING FEE =                                       |              |              |            | \$876.00   |

10. Fee Payment

- ☐ Not Enclosed. **NO FEE IS BEING PAID BY CHECK OR DEPOSIT ACCOUNT AT THIS TIME.**  
This application is being filed under the provisions of 37 C.F.R. §1.53(f). Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.
- ☒ Authorized to charge Deposit Acct. No. 50-0310 in the amount of **\$876.00** representing the basic filing fee of \$750.00 and Excess claims fee of \$126.00.

11. ☒ **Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

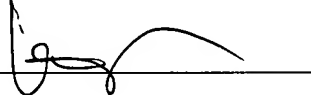
12. Additional papers enclosed:

- ☐ Preliminary Amendment
- ☒ Information Disclosure Statement
- ☒ Form PTO-1449, including 28 references
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

**Please accord this application an application number and filing date.**

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

  
Khoi Q. Ta  
Reg. No. 47,300

Dated: **July 15, 2003**

**Customer No. 09629**

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